

## Electronics

### Tweezers

#### 3 ESD Cushion Grip Tweezers



5" 125 mm

Very sharp and superior finish

ESD cushion grip handles

3.SA.DR **Anti-Magnetic Anti-Acid Stainless Steel body with ESD cushion grip handles (DR)**

### General notes

- **NBR** vulcanized nitrile rubber
- very soft and elastic, good tear resistance
- outstanding abrasion/wear resistance (improved life-time)
- good chemical resistance (oils, grease, fuels, acid, detergents and soaps ); good hydrolytic resistance (hot water)
- electrically static dissipative, low surface resistivity ( $10^{12}$ ;- $10^{13}$ ;Ohm), ESD-safe material!
- typical applications include ESD-safe handles, floor and work surface mats

## Mechanical properties

|                            |          |                 |
|----------------------------|----------|-----------------|
| Hardness, Shore A          | 30       |                 |
| Tensile modulus 100%       | 0.6 MPa  | DIN 53504, 23°C |
| Tensile modulus 200%       | 1.1 MPa  | DIN 53504, 23°C |
| Tensile modulus 300%       | 1.8 MPa  | DIN 53504, 23°C |
| Tensile modulus 400%       | 2.6 MPa  | DIN 53504, 23°C |
| Tensile strength, ultimate | 10.4 MPa | DIN 53504, 23°C |
| Elongation at break        | 817.3%   | DIN 53504, 23°C |

## Thermal properties

|                            |       |          |
|----------------------------|-------|----------|
| Continuous Use Temperature | 100°C | 20'000 h |
| Short Time Temperature     | 120°C |          |

## Electrical properties

|                      |   |
|----------------------|---|
| Surface resistivity: | 10 <sup>8</sup> Ω;-10 <sup>13</sup> Ω;Ohm |
|----------------------|---|

## Other properties

|         |            |          |
|---------|------------|----------|
| Density | 1.10 g/ccm | ISO 1183 |
|---------|------------|----------|

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Credits